

Db 10 MGSLLIFALLAAAGVAPLSMDLPEPRASRASKIRVHSKGLMTATGHPMKKSLSEPSHW 69

0y 61 GFAP 64

Db 70 QQLP 73

RESULT 3

PSPCNB

neuromedin B-32 - p1g

N:contains: neuromedin B

C:Species: Mus musculus domesticus (domestic pig)

C:SpecDate: Feb-1984

C:Accession: B60301: A01565: A60301

R:Minamino, N.; Kangawa, K.; Matsuo, H.

Regul. Pept. 19, 127, 1987

A:Title: Neuromedin B and neuromedin C: two mammalian bombesin-like peptides identified

A:Reference number: A60301

A:Accession: B60301

A:Title: Neuromedin B and neuromedin C

A:Residues: 1-32 <M12>

A:Note: this reference is an abstract

R:Minamino, N.; Kangawa, K.; Matsuo, H.

Biochem. Biophys. Res. Commun. 114, 541-548, 1983

A:Title: Neuromedin B: a novel bombesin-like peptide identified in porcine spinal cord.

A:Reference number: A01565; M01D:8328213

A:Accession: A01565

A:Title: Neuromedin B

A:Residues: 25-32 <M12>

A:Note: the structure of the peptide was confirmed by synthesis

C:Comment: The biological source of neuromedin B is spinal cord. It stimulates smooth muscle contraction.

C:Superfamily: gastrin-releasing peptide

C:Keywords: amidated carboxyl end; hormone; neuropeptide; spinal cord

F:1-32/Product: neuromedin B-32 status experimental <M12>

F:32/Modified site: amidated carboxyl end (Met) status experimental

Query Match 26.8%; Score 152; DB 1; Length 32;

Best Local Similarity 87.1%; Prod. No. 1,1c-09;

Matches 27; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

0y 17 PLSMDPEPRASRASKIRVHSKGLMTATGHPMKKSLSEPSHW 47

Db 2 PLSMDPEPRASRASKIRVHSKGLMTATGHPMKKSLSEPSHW 32

RESULT 4

A26182

gastrin-releasing peptide precursor splice form III - human

C:Species: Homo sapiens (man)

C:SpecDate: 25-Oct-1987

C:Accession: A26182: B32032: C46576

C:Spindel, E.R.; Zilberberg, J.F.; Habener, J.F.; Chin, W.W.

Proc. Natl. Acad. Sci. U.S.A. 83, 19-23, 1986

A:Title: Two phenomena for gastrin-releasing peptide are encoded by two mRNAs differentially spliced

A:Accession: A26182

A:Reference number: A50091; M01D:8609431

A:Molecule type: mRNA

A:Residues: 1-138 <SP1>

R:Reeve Jr., J.R.; Cuttitta, F.; Vigna, S.R.; Heubner, V.; Lee, T.D.; Shively, J.E.; Ho, J.T.

J. Biol. Chem. 263, 1928-1932, 1988

A:Title: Multiple gastrin-releasing peptide gene-associated peptides are produced by a human

A:Reference number: A32032

A:Accession: B32032

A:Title: Gastrin-releasing peptide

A:Residues: 125-135 <REF>

R:Sanville, E.A.; Lebacqz-Veheyden, A.M.; Spindel, E.R.; Cuttitta, F.; Gazdar, A.F.; Berman, J.H.; Chem. 261, 2451-2457, 1986

A:Title: Expression of the gastrin-releasing peptide gene in human small cell lung cancer

A:Reference number: A46576; M01D:8611953

A:Accession: C46576

A:status: preliminary
A:molecule type: mRNA
A:residues: 119-138 <SN>
A:cross-references: GB:M12512; NID:g183637; PIDN:AAS2610.1; PID:g386755
A:notes: The nucleotide sequence of the precursor splice forms I, II, and III is taken from Genbank.
C:gene: GBRP
A:cname: GBRP
A:cross-references: GDB:119284; OMIM:137260
A:map position: 18q21.32-18q21.33
C:synonymily: gastrin-releasing peptide C; neuropeptide C
C:keywords: alternative splicing; amidated carboxyl end; neuropeptide C; gastrin; signal sequence; status predicted; status experimental <MKT>
F:1-50/Domain: 1-50
F:1-50/Product: neuromedin C (status experimental <MKT>
F:50/Modified site: amidated carboxyl end (Met) (amide in mature form from following

Query Match 17.2% Score 97.5; DB 2: Length 138:
Best Local Similarity 34.5%; Part. No. 0.0039;
Matches 40; Conservative 13; Mismatches 26; Indels 37; Gaps 7;

Dy 1 MESGLHFLALAGVPSLNSDLEPPRSASKT-----HYISRQKLTAMTHPKMS 51
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
I MGSESLPVLLAL-VLCCL-----PRGSAAPLPAGCGVTATKKPDRONHMVAQLMKKS 54

Oy 52 L-EPSSEPPLGTARPHYSLSDDRL-----QSNDLGIULLK-----RAIG 90
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 55 TGSSEYBENG-----SILQQDLRETYEMDKNRNLGLITAKENRNPNRPGRKL 105

RESULT 5
B26182
gastrin-releasing peptide precursor splice form I [validated] - human
nContains: gastrin-releasing peptide precursor splice form II; neuromedin C
C:species: Homo sapiens (man)
C:accession: B26182; EMBL:U00001; GenBank:U00001; RefSeq:NM_001000000.1
C:translation: 18-Feb-2000 tXtChange 08-Dec-2000
C:accession: B26182; M09113; A6576; B46576; B60784; C60784; A20322; I52705; A31200
R:spindel, E.R.: Zilberberg, M.D.; Hebenne, J.F.; Chin, W.W.,
Proc. Natl. Acad. Sci. U.S.A. 83, 19-23, 1986
A:title: Two proforms for gastrin-releasing peptide are encoded by two mRNAs differ-

A:reference number: A94091; MUID:B6094341
A:accession: B26182
A:residues: 1-148 <SP1>
A:cross-references: GB:K02054; NID:g183642; PIDN:AAS2613.1; PID:g306807
R:spindel, E.R.: Zilberberg, M.D.; Chin, W.W.,
Mol. Endocrinol. 1, 224-233, 1987
A:title: Analysis of the gene and multiple messenger ribonucleic acids (mRNAs) encodi-

A:reference number: A40913; MUID:88288196
A:accession: A40913
A:residues: 1-148 <SP1>
A:cross-references: GB:M12512; NID:g183637; PIDN:AAS2611.1; PID:g386756
R:sausville, E.J.; Lebacqz-Vehayean, A.M.; Spindel, E.R.; Cuttitta, F.; Gazdar, A.F.; et al.,
J. Biol. Chem. 261, 2451-2457, 1986
A:title: Expression of the gastrin-releasing peptide gene in human small cell lung ca-

A:reference number: A46576; MUID:8611953
A:accession: A46576
A:residues: 115-148 <SN>
A:cross-references: GB:M12512; NID:g183637; PIDN:AAS2611.1; PID:g386756
A:experimental source: splice form I
A:accession: B46576
A:molecule type: mRNA
A:status: preliminary
A:residues: 119-127,135-148 <SN>
A:cross-references: GB:M12512; NID:g183637; PIDN:AAS2612.1; PID:g386757
R:collins J.M.; McGeehan, G.P.; Hallin, G.; Gietmelius, L.; Thim, L.,
Cancer Res. 48, 2412-2416, 1988
A:title: Molecular forms of gastrin-related peptide and gastrin re-

A:reference number: A60784; MUID:88184561
A:accession: A60784
A:molecule type: protein

A:Residues: 24-45 <CON>
A:Accession: C60784
A:Molecule type: protein
A:Residues: 41-50 <CO2>
A:Title: Cloning and characterization of the cDNA for gastrin-releasing peptide precursor splice form I status predicted <SRP>
A:RefSeq accession number: U01988
A:Reference number: A13032
A:Accession: A13032
A:Molecule type: protein
A:Residues: 95-110 <REP>
R:Magalla, S.R.; Spindel, E.R.
Cancer Res. 54, 4461-4467, 1994
A:RefSeq accession number: U01988
A:Reference number: A13705
A:Status: translated from GB/EMBL/DDBB
A:Molecule type: DNA
A:Residues: 1-3,'R','5'-9 <NG>
A:Cross-references: GB:S7365; NID:G685049; PIDN:AADI4116.1; PID:94261816
R:Leibach, V.; Heubner, V.; Lee, T.D.; Shively, J.E.; Ho,
J.F.; Leibach, V., P.G.; Kamm, M.G.; Van Wyke Coelinghnf, K.; Leibach, J.F.
Mol. Cell. Biol. 8, 3129-3135, 1988
A:RefSeq accession number: A13200
A:Reference number: A13200
A:Contents: annotation
C:Comment: The nomenclature for the precursor splice forms I, II, and III is taken from
C:Genetics:
A:Gene: GDB:GRP
A:Cross-references: GDB:119284; OMIM:137260
A:Superfamily: 18q21.32-18q21.33
A:Domain: Gastrin-releasing peptide
A:Functionality: gastrin-releasing peptide
F1:148/Product: gastrin-releasing peptide precursor splice form I status predicted <SRP>
F1:127/135-148/Product: gastrin-releasing peptide precursor splice form II status predicted
F1:1-23/Domains: signal sequence #status predicted <Sig>
F1:24-50/Product: gastrin-releasing peptide status experimental <MAT>
F:1-50/Product: neuromedin C status experimental <Mat>
F:1-50/Modified site: amidated carboxyl end (Met) amidal in mature form from following gly

```

Query Match      17.2%   Score 97.5:   DB 1:   length 148:
Best Local Similarity 34.5%:   Pred. No. 0.0042:
Matches 40: Conservative 13: Mismatches 26: Indels 37: Gaps 7

Oy      1  MSKSLHFAALLAAQVAPSLSDLPDFEPRASAKI-----RVHSRKKLAAIGFMRGKS 51
Db      1  MSKSLPPLVLLAL-VLCLAA-----PRHRAVLPARGGVLTAKIPKRNHNVHGLKAKS 54

Oy      52  L-VFSPSPSPGPAFPHSLDLPDRL-----QSLDELICITLLK-----KALG 90
Db      52  LFGSSSVSSENG-----SLKQDLREYIRMEQARNLGLLEAKENRNHNPQPPKALG 105

Residue      6
147010
gaslin1-releasing peptide - sheep
C:Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C:Date: 15-Oct-1996 #sequence_revision 15-Oct-1996 #text_change 19-Jan-2001
C:Accession: I47010
R:Translator: M.; McDonnald, T.J.; Spindel, E.R.; Fahy, M.; Hill, D.; Challis, J.R.
A:Title: gaslin1-releasing peptide 1s produced in the pregnant ovine uterus.
A:Accession: I47010
A:Status: provisional; translated from GB/EMBL/DBJ
A:molecule type: mRNA
A:Residue: 1-134 <P>#>
A:Cross-references: GB:57527; NID:913167; PIDN:AB32675.1; PID:913168
A:Superfamily: gaslin1-releasing peptide

```

Query Match	16.8%;	Score 95.5;	DB 2;	Length 134;
Best Local Similarity	29.8%;	Pred. No. 0.0061;		

[illegible]

RESULT 7
 A47201
 bombesinlike peptide - African clawed frog
 C:Species: *Xenopus laevis* (African clawed frog)
 C:Date: 21-Sep-1993 #sequence:revision 18-Nov-1994 #text-change 04-Sep-1998
 A:Accession: A47201
 A:ReleaseDate: 01-Oct-1993
 A:Proc: Natl Acad Sci. U.S.A. 89, 9819-9822, 1992
 A:Title: Isolation and sequence of a cDNA encoding the precursor of a bombesinlike peptide from the African clawed frog, *Xenopus laevis*
 A:Reference number: A47201; MUID:93028554
 A:Accession: A47201
 A:Status: Preliminary
 A:Molecule type: nucleic acid
 A:Residues: 1-120 <MEC>
 A:Note: sequence inconsistent with the nucleotide translation
 A:Note: sequence extracted from NCBI backbone (NCBIIN:115857, NCBIIP:115858)
 A:Superfamily: ranatensin

Query Match: 10.5%; Score 94; DB 2; length 120;
Best Local Similarity 43.6%; Pred. No. 0.077;
Matches 24; Conservative 6; Mismatches 21; Indels 4; Gaps 2

CY 5 LTRFLLAAAGVPLSMDDPEPSRAKSTIVMSGKLALGHKKSLSPS-SPS 58
 ||||| ||| |||
DB 15 LTRHLLSPFLPVCHSESDANNTETLR--NGMQLAIGHKKMKSSLDQTTTNS 66

RESULT 8
A40922
 gastrin-releasing peptide precursor - rat
 C.Species: Rattus norvegicus (Norway rat)
 C.Date: 06-Mar-1992 #seq-revision 06-Mar-1992 #text-change 16-Jul-1999
 C.Accession: A40922
 M.Hwang, C.Henrichsen, A.M. & Kyte, J. G.; Sartor, O.; May, J.; Batley, J.F.
 A.Length: 556-bp (398aa)
 A.Title: The rat prepro gastrin releasing peptide gene is transcribed from two initiators
 A.Reference number: A40922; MUD:80334558
 A.Accession: A40922
 A.Status: Preliminary
 A.Molecule type: mRNA
 A.Molecule type: mRNA
 A.Cross-references: 1-147 <LEB>
 A.Cross-references: GB:M1176; NID:G204256; PID:AAA1197.1; PID:G204257
 C.Superfamily: gastrin-releasing peptide
 C.Keywords: neuropeptide

Query Match	15.3%	Score 90.5%	DB 2	Length 147
Best Local Similarity	28.8%	Pred. No. 0.023		
Matches	34	Conservative	16	Mismatches 39; Indels 29; Gaps 5
QY	1	MSGLPFLPALDAGVPLSPMDPEPSPASST	-----	RHSKSGMALGAINPCK 49
Db	1	MRSELSHIALVL	-----	QANPPLAVYSTAGGGGTAVLPPGSHAAVGHCK 54
QY	50	KSESPSPSPGDTPTSTLRDQ	-----	QSHSLGLTKLLKALGVSTSPAPQ 101
Db	55	KSTD-ELPPLADDDLEQRLRYRWKRALNGLLNS	-----	NNSHQPDQD 106

RESULT 9
A42437

gastrin-releasing peptide - Bombina orientalis
 C:Species: Bombina orientalis
 C:Accession: U4-Mar-1995 #sequence_revision 18-Nov-1994 #text_change 21-Jul-2000
 C:Date: 04-Mar-1995 #sequence_revision 18-Nov-1994 #text_change 21-Jul-2000
 R:Wahlström, S. R., Gibson, B. W., Tong, D., Reeve Jr., J. R., Spindel, E. R.
 J. Biol. Chem. 267, 6916-6922, 1992
 A:Title: Gastrin-releasing peptide (GRP) is not mammalian bombesin. Identification and
 A:Reference number: A42437, MUID:92202250
 A:Accession: A42437
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Notes: sequence extracted from NCBI database (NCBI:91643, NCBI:91645)
 A:Cross-references: GB:M893737; NID:g211018; PIDN:AAA51409.1; PTD:g211019
 A:Note: sequence extracted from NCBI backbone (NCBI:91643, NCBI:91645)
 C:Superfamily: gastrin-releasing peptide
 C:Keywords: neuropeptide

Query Match 14.6% Score 83; DB 2; Length 155;
 Best Local Similarity 40.7%; Pred. No. 0.15; Mismatches 18; Indels 6; Gaps 2;
 Matches 22; Conservative 8;

6 LHPFLLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLP 53
 13 LHPFLLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLP 66

RESULT 10

Pho-B phyliolitorin precursor - Sauvage's leaf frog
 C:Species: Phyllomedusa sauvagei (Sauvage's leaf frog)
 C:Date: 03-Oct-1995 #sequence_revision 03-Oct-1995 #text_change 24-Sep-1999
 A:Accession: B57058
 R:Wahlström, S. R., Gibson, B. W., Tong, D., Reeve Jr., J. R., Spindel, E. R.
 Mol. Endocrinol. 8, 943-951, 1994
 A:Title: Cloning of complementary DNA encoding the amphibian bombesin-like peptides Pho
 ropeptide diversity.
 A:Reference number: A57058, MUID:95089778
 A:Accession: B57058
 A:Status: preliminary; not compared with conceptual translation
 A:Molecule type: mRNA
 A:Notes: sequence extracted from NCBI database (NCBI:91643, NCBI:91645)
 A:Cross-references: GB:S7728; NID:g999449; PIDN:AAA32788.1; PID:g998450
 C:Superfamily: ranatensin

Query Match 14.0% Score 79.5; DB 2; Length 90;
 Best Local Similarity 41.2%; Pred. No. 0.13; Mismatches 23; Indels 1; Gaps 1;
 Matches 21; Conservative 6;

3 GSLLHFLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLP 53
 14 GSLLHFLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLP 63

RESULT 11

bombesin precursor - Bombina orientalis
 C:Species: Bombina orientalis
 C:Date: 18-Oct-1991 #sequence_revision 18-Oct-1991 #text_change 24-Sep-1999
 C:Accession: A39261
 R:Spindel, E. R., Gibson, B. W., Reeve Jr., J. R., Kelly, M.
 Proc. Natl. Acad. Sci. U.S.A. 77, 9813-9817, 1980
 A:Title: Analysis of the replication region of a mycobacterial plasmid, pMC5262.
 A:Accession: A39261, MUID:9108602
 A:Reference number: A39261
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-119 <SPI>
 A:Cross-references: GB:M55255; NID:g211016; PIDN:AAA49551.1; PTD:g211017
 C:Superfamily: ranatensin
 C:Keywords: neuropeptide

Query Match 13.6% Score 77.5; DB 2; Length 119;
 Best Local Similarity 30.3%; Pred. No. 0.43; Mismatches 35; Indels 5; Gaps 3;
 Matches 23; Conservative 13;

3 GSLLHFLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLPSP 59
 13 GSLLHFLAAGVPLSMDLPPRSRASKIRVNSRGLKAIQHPGKSKSLPSP 70

RESULT 12

DNA-binding protein PRDII-BF1 - human
 A:Alternate names: major histocompatibility complex enhancer-binding protein 1
 C:Species: Homo sapiens (man)
 C:Date: 22-Jun-1990 #sequence_revision 22-Jun-1990 #text_change 20-Sep-1999
 C:Accession: A34203, A34779
 R:Pan, C. M., Maniatis, T.
 Gene Dev. 4, 29-42, 1990
 A:Title: A DNA-binding protein containing two widely separated zinc finger motifs the
 A:Reference number: A34203, MUID:90169514
 A:Accession: A34203
 A:Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-2717 <FAN>
 A:Cross-references: EMBL:X51435; NID:g38017; PIDN:CAA35798.1; PID:g38018
 R:Wahlström, S. R., Gibson, B. W., Tong, D., Reeve Jr., J. R., Spindel, E. R.
 Mol. Cell. Biol. 10, 1406-1414, 1990
 A:Title: A large protein containing zinc finger domains binds to related sequence ele
 A:Accession: A34779, MUID:90205017
 A:Status: preliminary; nucleic acid sequence not shown
 A:Molecule type: mRNA
 A:Residues: 801-1072, 'N', 1074-1168, 'K', 1170-1225, 'V', 1227-1434, 'N', 1436-1607, 'I', 1609
 A:Cross-references: GB:M32019
 C:Superfamily: HIV-SP2 enhancer-binding protein
 C:Keywords: DNA binding; transcription regulation; zinc finger

Query Match 13.1% Score 74.5; DB 2; Length 2717;
 Best Local Similarity 38.4%; Pred. No. 38;
 Matches 28; Conservative 5; Mismatches 23; Indels 17; Gaps 3;

17 PLSSDLPPRSRASKIRVNSRGLKAIQHPGKSKSLPSPFLGAPRTSLD 70
 114 PLSSDLPPRSRASKIRVNSRGLKAIQHPGKSKSLPSPFLGAPRTSLD 1193

RESULT 13

28.9K basic DNA-binding protein - Mycobacterium scrofulaceum plasmid pMC5262
 C:Species: Mycobacterium scrofulaceum
 C:Date: 06-Oct-1994 #sequence_revision 25-Apr-1997 #text_change 25-Apr-1997
 C:Accession: A36949
 R:Yoshida, M., Taniguchi, H., Mizuguchi, Y.
 J. Biol. Chem. 269, 11545-11550, 1994
 A:Title: Analysis of the replication region of a mycobacterial plasmid, pMC5262.
 A:Accession: A36949, MUID:94117377
 A:Reference number: A36949
 A:Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-260 <OIN>
 A:Note: sequence extracted from NCBI backbone (NCBI:142814, NCBI:142815)
 C:Genetic: 1
 A:Genome: plasmid

C:Keywords: DNA binding

Query Match 13.0%: Score 74; DB 2; Length 260;
 Best Local Similarity 27.0%: Pred. No. 2; Mismatches 45; Indels 10; Gaps 4;
 Matches 27; Conservative 16; Mismatches 45; Indels 10; Gaps 4;
 Oy 14 GVPVSLNDP---EPSSRASKIRVHSGKLAIGHFGMKKSLSPSSPGLTPTSTIR 69
 Db 71 GVTGAGTGPDRGRQASADRYTHRHNRHNLVAVVIGHNRNPPSPPLKPGPTRTTRIR 130
 Oy 70 DQMDLSDP---LLGLTLKKALGVSLSPADLOY 102
 Db 131 G-LAELEHNRDSRHSLSLVLMGLGRPPRRPRPRTRH 167

RESULT 14

Integral membrane protein [Imported] - Caulobacter crescentus
 C:Species: Caulobacter crescentus
 C:Accession: F07567
 C:Date: 18-Aug-2000 #sequence, revision 20-Apr-2001 #text-change 20-Apr-2001
 R:Netman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, J.B.; Laub, M.C.; Dadoy, R.T.; Dodson, R.J.; Durkin, A.S.; Gelin, M.L.; Haft, D.H.; Kolot, D.J.; Esmolova, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.M.
 Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
 A:Title: Complete genome sequence of Caulobacter crescentus.
 A:Reference: PubMed: 11735667
 A:Accession: F07567
 A:Residues: 1-297 <STO>
 A:Molecule type: DNA
 A:Status: preliminary
 A:Cross-references: GB:AE005673; NID:g13421136; PIDN:AMK24338.1; GSPDB:GN00148
 C:Genetics: CC2568

Query Match 13.0%: Score 74; DB 2; Length 297;
 Best Local Similarity 29.0%: Pred. No. 3.1; Mismatches 20; Indels 26; Gaps 7;
 Matches 31; Conservative 20; Mismatches 26; Indels 26; Gaps 7;
 Oy 1 MEGSLHFAALAGVPLSDLPSPSRASKIRVHSGKLAIGH---FMGRKSLSPSS 56
 Db 35 LTVAVRFAALVAVL---WLEDRRTWRVAVL---GLMGQGNFALHMKGTQVNSPSA 89
 Oy 57 PS---PLGTAPRTSLRDORQLSDLLGLILL-----KKALGVSLSS 94
 Db 90 ASVVIQWG-VPEFTT-----LLSVLTGEEKIRMKRGIGIALT 124

RESULT 15

DNA primase XF0430 [Imported] - Xylella fastidiosa (strain 945c)
 C:Species: Xylella fastidiosa
 C:Date: 18-Aug-2000 #sequence, revision 20-Aug-2000 #text-change 14-Dec-2001
 C:Accession: G82806
 R:anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Sequence
 Nature 406, 151-157, 2000
 A:Title: The complete genome sequence of the plant pathogen Xylella fastidiosa.
 A:Reference number: 882515; PMID:20365717
 A:Note: for a complete list of authors see reference number A59328 below
 A:Accession: G82806
 A:Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-577 <STM>
 A:Cross-references: GB:AE001894; GB:AE001849; NID:g9105267; PIDN:AMR93240.1; GSPDB:GN001
 R:Simpson, A.J.G.; Rinaldi, F.C.; Arruda, P.; Abreu, P.A.; Agencio, M.; Alvarenga, R.; A
 Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carter, H
 as-Neto, E.; Docena, C.; El-Dorri, H.; Facinoni, A.P.; Ferreira, A.J.S.
 submitted to GenBank, June 2000
 A:Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franco, S.C.; Franco, M.C.; From
 J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; Laig

Chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Martino, C.L.; Marques, M.V.; Martins
 A:Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki, C.
 F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmeiri,
 Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Silva
 A:Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., M.A.; da Sil
 A:Reference number: A59328
 A:Contents: annotation
 C:Genetics:
 A:Gene: XF0430
 C:Superfamily: DNA primase

Query Match 13.0%: Score 74; DB 2; Length 577;
 Best Local Similarity 27.8%: Pred. No. 6.8; Mismatches 36; Indels 22; Gaps 4;
 Matches 27; Conservative 12; Mismatches 36; Indels 22; Gaps 4;

Oy 9 ALLACGVPLSDLP---PSRSASKIRVHSGKLAIGHFGMKKSLSPSSPGLT 62
 Db 385 ARLAERARPLMKIPGAFNDLNR-----LHLTGVINAH-GRAPAT 429
 Oy 63 A-PHRSRPPDRQLSDLLGLTLKKALGVSLSPSS 98
 Db 430 SRAPRPLPKGRKRLHTTITLITLQOSSLAMLTPEP 466

Search completed: May 30, 2002, 17:25:17
 JDB time: 122 sec

